

REMARKS

Examiner has objected to the drawings because Figures 2 and 3 are not labeled "PRIOR ART" (MPEP 608.02(g)). Applicant has amended Figures 2 and 3 to reflect that they are prior art figures. Applicant requests the reconsideration of Figures 2 and 3 as amended.

The Examiner has rejected claims 13-25 under 35 U.S.C. 103(a) as being unpatentable over Barna et. al. Applicant has amended claim 13, and has cancelled claims 14-25. Applicant has added new claims 26-30.

The Examiner states that since Barna discloses an apparatus for capturing images comprising a pixel of an imager (202), a column feedback circuit (208), and a soft resetting transistor (214) and that it would have been obvious that the apparatus can capture images under ultra low illumination with high dynamic range. Applicant respectfully disagrees.

Applicant contends that Barna does not teach, describe, or suggest a column feedback circuit that continuously monitors noise of said pixel. The noncontinuous monitoring of Barna results in an inability to reduce noise below kTC. Barna requires increasing front-end gain, a technique that does not provide the operation of the present claimed invention.

CONCLUSION

The examiner has rejected claims 13-25. Applicant has amended claim 13, cancelled claims 14-25, and added new claims 26-30. For at least the foregoing reasons, Applicant submits that pending claims 13, and 26-30 are now in a condition for allowance. Applicant therefore respectfully requests that pending claims 13, and 26-30 be allowed.

Respectfully submitted,

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